

VectorZIEL completes first 8-in deployment in a US application



LOCATION
Oklahoma, USA

SECTION
12¼-in
intermediate

TECHNOLOGY

The VectorZIEL™ rotary steerable system (RSS) features inclination, azimuth and gamma ray capabilities within 5 ft of the bit along with an integrated pulser.

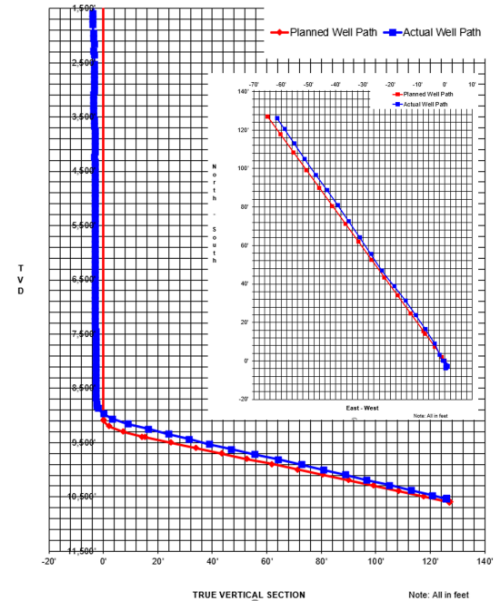
CHALLENGE

Deploy the 8-in VectorZIEL 800 on its first drilling application to complete a 12¼-in intermediate section with tangent in two runs in Oklahoma. The motor-assisted RSS had to drill out the shoe at 1,500 ft, hold vertical for more than 9,000 ft, and then kick off to drill a 1,400-ft tangent to complete the section.

RESULTS

The VectorZIEL 800 completed the section in two runs on its first US deployment. It held vertical to less than 0.1° through the initial 9,000+ ft with minimal downlinking, drilling autonomously while sending real-time near-bit data. The same tool was rerun to finish the vertical and tangent, landing within a few feet of the target line with minimal DLS to TD, and showed minimal wear after two aggressive runs.

Vertical held to less than 0.1° over the first 9,000+ ft



TOOL SIZE	SHOE DEPTH	VERTICAL HOLD	INC. IN VERTICAL	TANGENT	RUNS
8 in	1,500 ft	> 9,000 ft	< 0.1°	1,400 ft	2